ET240107819US

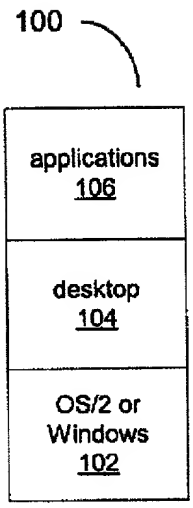


Figure 1

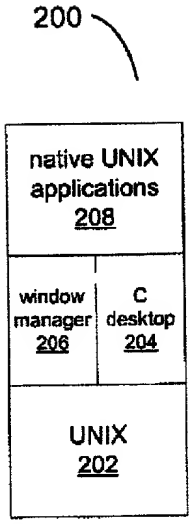


Figure 2

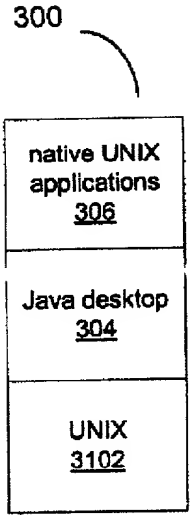


Figure 3

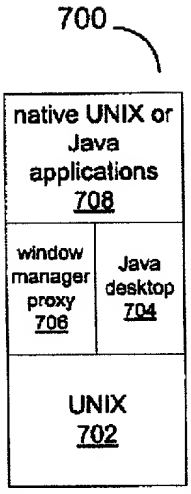
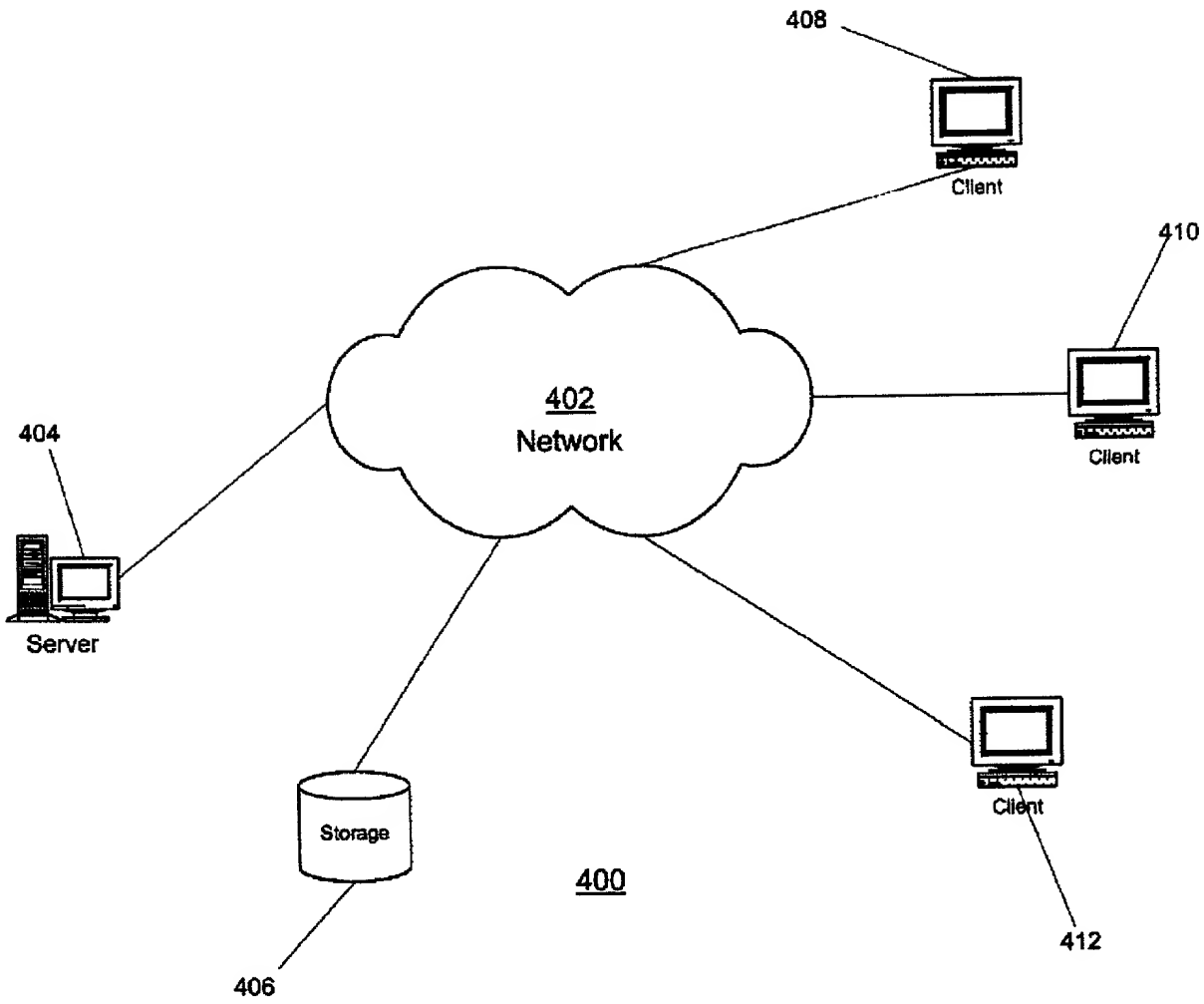


Figure 7

Figure 4


408
Client
410
Client
402
Network
404
Server
Storage
406
Client
412
400

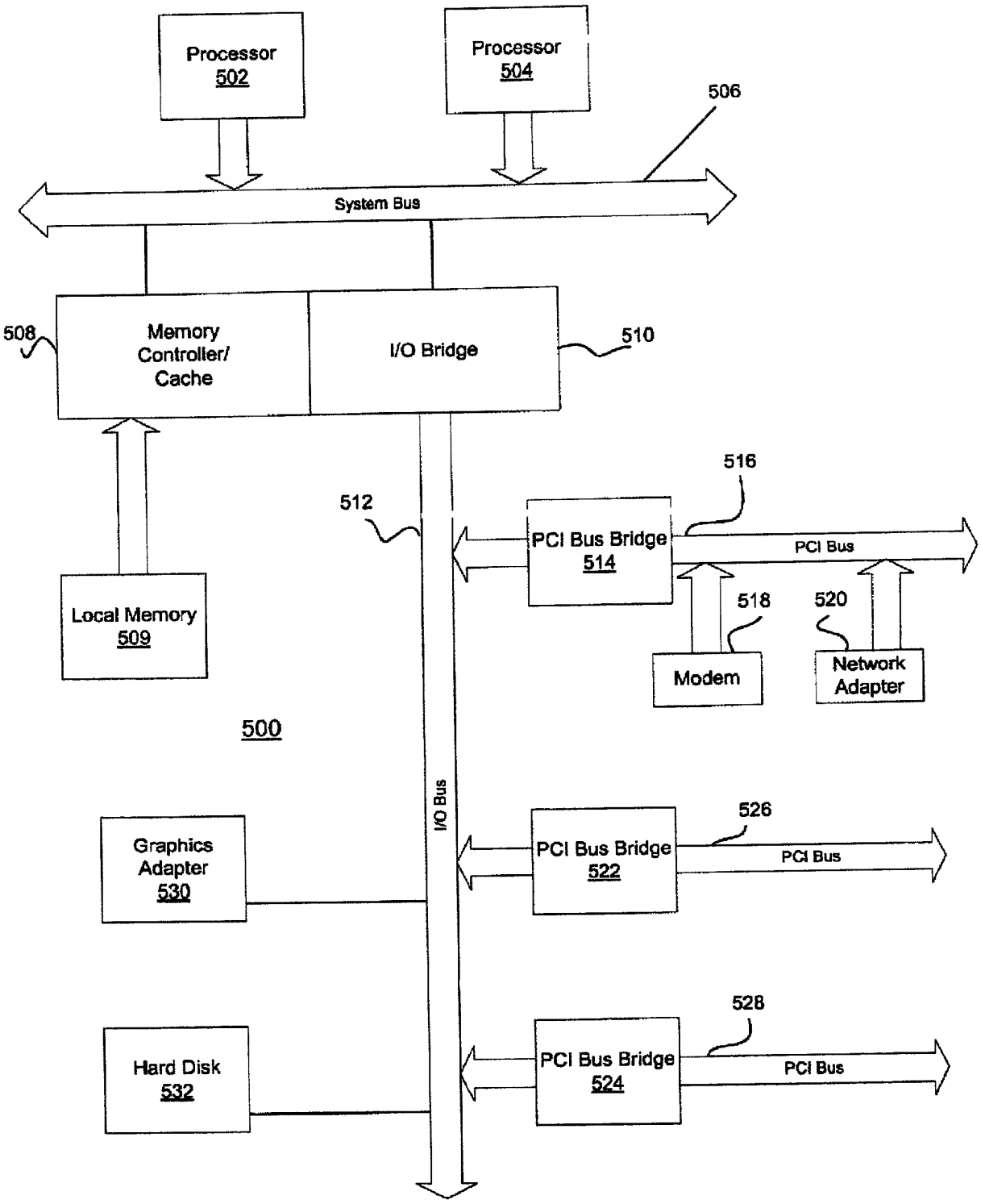

Processor
502
Processor
504
506
System Bus
508
Memory
Controller/
Cache
I/O Bridge
510
512
516
PCI Bus Bridge
514
PCI Bus
Local Memory
509
518
520
Modem
Network
Adapter
500
I/O Bus
Graphics
Adapter
530
526
PCI Bus Bridge
522
PCI Bus
528
Hard Disk
532
PCI Bus Bridge
524
PCI Bus

Figure 5

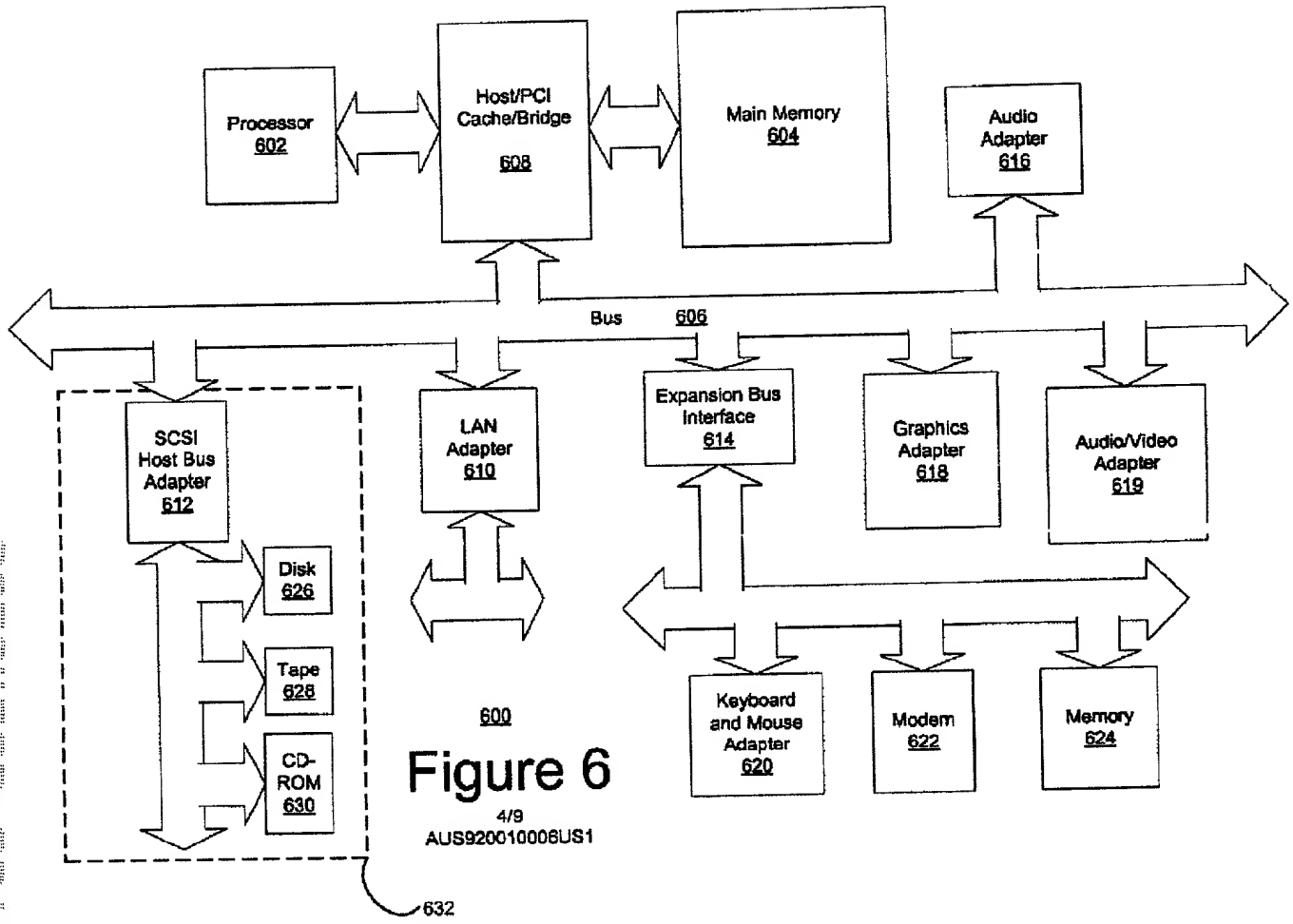


Figure 6

Copyright IBM Corp.

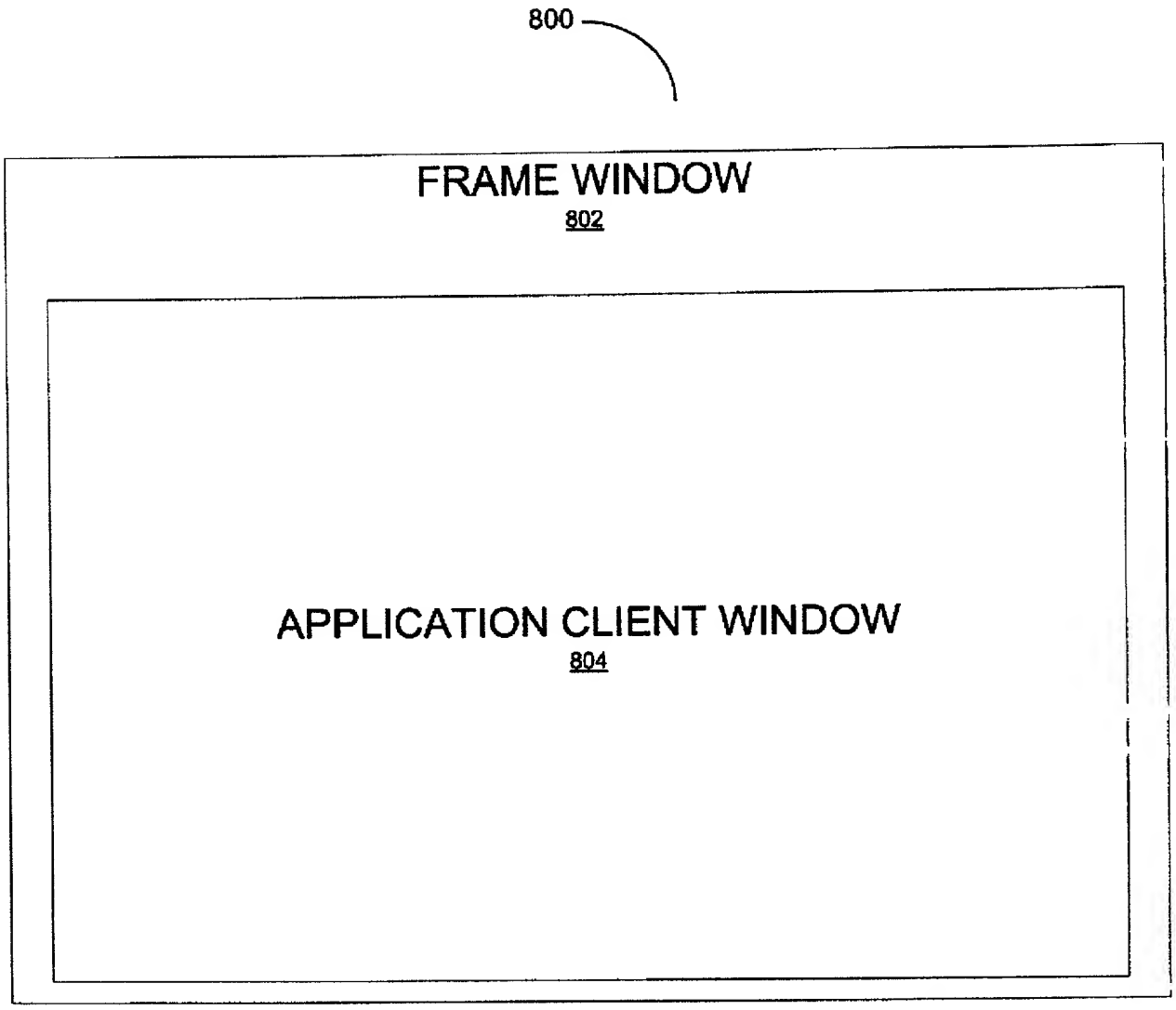
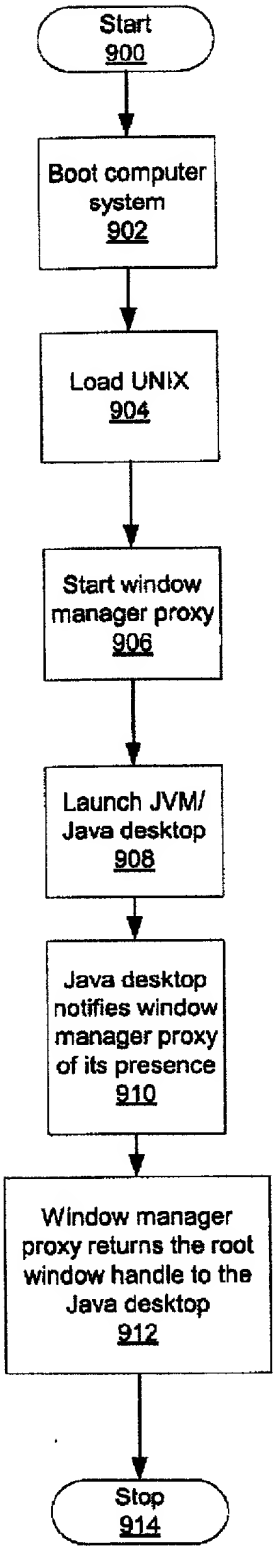


Figure 8

Figure 9


Start
900
Boot computer system
902
Load UNIX
904
Start window manager proxy
906
Launch JVM/ Java desktop
908
Java desktop notifies window manager proxy of its presence
910
Window manager proxy returns the root window handle to the Java desktop
912
Stop
914

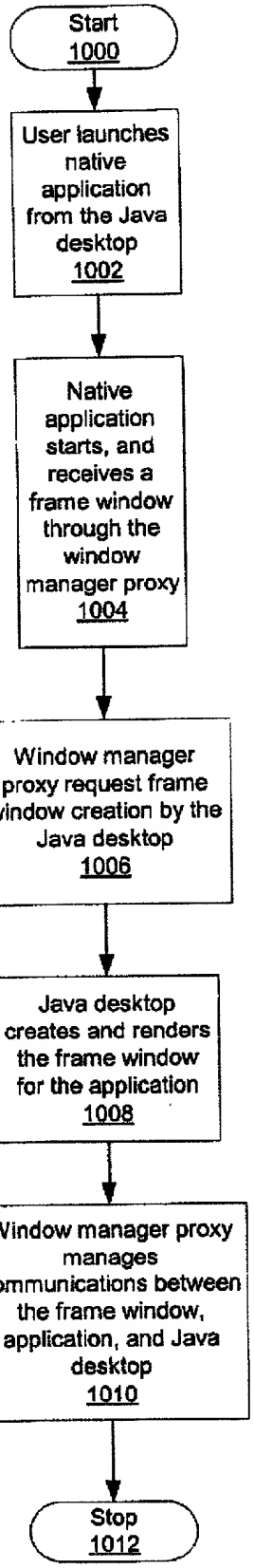

Start
1000
User launches native application from the Java desktop
1002
Native application starts, and receives a frame window through the window manager proxy
1004
Window manager proxy request frame window creation by the Java desktop
1006
Java desktop creates and renders the frame window for the application
1008
Window manager proxy manages communications between the frame window, application, and Java desktop
1010
Stop
1012

Figure 10

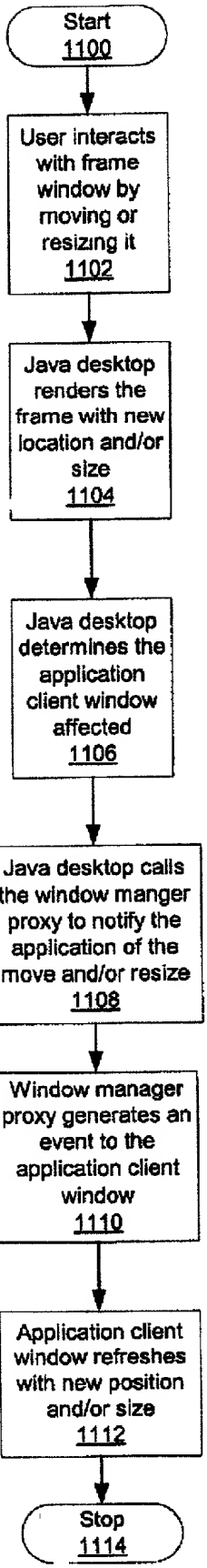

Start
1100
User interacts with frame window by moving or resizing it
1102
Java desktop renders the frame with new location and/or size
1104
Java desktop determines the application client window affected
1106
Java desktop calls the window manger proxy to notify the application of the move and/or resize
1108
Window manager proxy generates an event to the application client window
1110
Application client window refreshes with new position and/or size
1112
Stop
1114

Figure 11

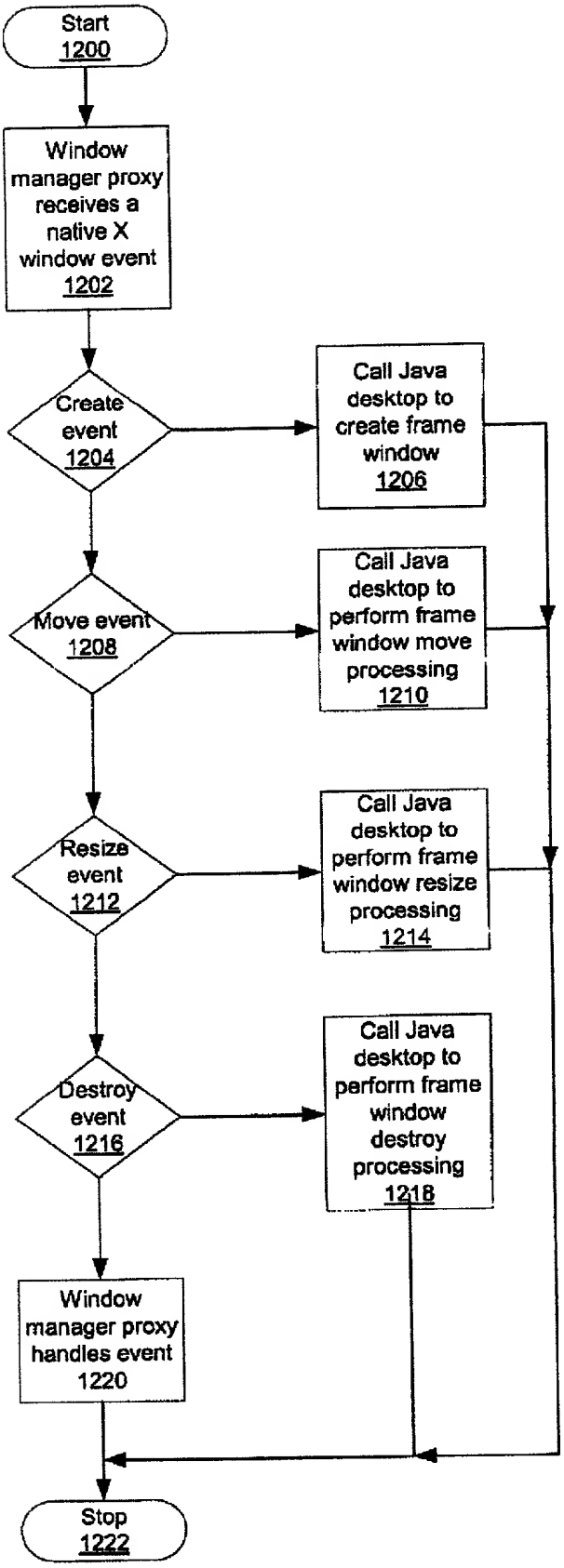

Start
1200
Window manager proxy receives a native X window event
1202
Create event
1204
Call Java desktop to create frame window
1206
Move event
1208
Call Java desktop to perform frame window move processing
1210
Resize event
1212
Call Java desktop to perform frame window resize processing
1214
Destroy event
1216
Call Java desktop to perform frame window destroy processing
1218
Window manager proxy handles event
1220
Stop
1222

Figure 12